

What is Claimed is:

1. A foam-in bag dispensing system, comprising:
a dispenser with chemical output port;
a film feed assembly which feeds film to said dispenser for receiving chemical output
5 from said dispenser, said film feed assembly including a film drive roller set which comprises a first roller and a second roller rotating on non-coincident axes, and a support structure which supports said film drive roller set, said support structure including a first frame structure and a second frame structure with said first frame structure supporting said first roller and being adjustable relative to said second frame structure so as to move said first roller away from said
10 second roller.
2. The system of claim 1 wherein said second frame structure receives said second roller.
3. The system of claim 2 wherein said first frame structure is adjustable between a drive mode wherein said first and second rollers are in a film drive nip relationship and an access
15 mode wherein said first and second rollers are free of contact.
4. The system of claim 1 wherein said second frame structure is a stationary frame structure relative to said first frame structure when said first frame structure is adjusted.
5. The system of claim 1 wherein said first frame structure is pivotably supported by said second frame structure.
- 20 6. The system of claim 5 wherein said first frame structure is pivotably supported at a lower end and has an upper section which rotates out away from said second frame structure.

7. The system of claim 5 further comprising a latch mechanism which latches said first and second frame structures together to place said first and second rollers in a film drive mode.

8. The system of claim 7 wherein said latch mechanism includes a handle member
5 secured to a latch bar with first and second latch members spaced apart along said latch bar.

9. The system of claim 8 wherein said latch members are cam latches having hook sections.

10. The system of claim 1 further comprising a roller drive motor and wherein said second roller is in a driving relationship with said drive motor, and wherein said first roller is
10 pivotably supported by said first frame structure and is driven by way of rotation in said second roller.

11. The system of claim 1 wherein said second frame structure includes a pair of support extensions between which said second roller extends and said second roller having shaft ends received by said support extensions.

12. The system of claim 1 wherein said first frame structure includes first and second
15 sub-frame sections and an interconnecting intermediate bar, and said first and second sub-frame sections each having a bearing support receiving respective shaft ends of said first roller.

13. The system of claim 12 wherein said bearing supports are releasably fastened to said sub-frame sections.

14. The system of claim 12 wherein said intermediate bar includes a heater wire
20 extension surface.

15. The system of claim 14 further comprising a heater wire extending along said heater wire extension surface.

16. The system of claim 15 wherein said heater wire includes opposite end connector pins which are releasably received by connector pin reception holders supported by said intermediate bar.

17. The system of claim 15 further comprising a pair of seal wires extending parallel to said heater wire, and wherein said heater wire provides film cutting means and is positioned between said seal wires, and said heater and seal wires have conductor pins which are releasably received by conductor reception holders supported by said intermediate bar.

18. The system of claim 1 further comprising first frame structure movement limiting means.

19. The system of claim 18 wherein said first frame structure movement limiting means includes a pair of negator springs which preclude unrestricted movement of said first frame structure in moving from a film feed position to an access position.

20. The system of claim 1 further comprising an edge seal which is supported by said first frame structure so as to be more easily accessible upon said first frame structure moving from a film feed mode to an access mode wherein said first roller is spaced sufficiently apart from said second roller for edge seal removal.

21. The system of claim 20 wherein said edge seal includes a base support structure through which said roller shaft extends.

22. The system of claim 1 further comprising a plurality of film canes spaced along said second roller which are partially covered when said first frame structure and supported first roller is in a film feed mode and less covered so as to be accessible when said first frame structure and first roller are adjusted into an access mode wherein said first roller is separated from said second roller to provide greater access to said canes.

23. The system of claim 1 wherein said film drive roller set comprises only said first and second rollers which are in a state of compression in film feed mode, and wherein said first and second rollers each include a sub-roller set having sub-rollers spaced along respective roller shafts, and said dispenser is arranged to dispense foam within a gap defined by said spaced apart sub-rollers on said respective roller shafts.

24. A dispensing system, comprising:
a foam precursor chemical dispenser;
a film feed assembly adapted to feed film to said dispenser;
a first support structure and a second support structure, said first support structure being adjustable between a closed mode and an access mode relative to said second support structure, and film cut means for use in forming bags from the film;

said film cut means being supported by said first support structure so as to be adjustable between a less accessible location to a more accessible location upon adjustment of said first support structure from said film feed mode to the access mode.

25. The system of claim 24 wherein said film cut means includes a heater wire and a heater wire support, said heater wire support including a first heater-jaw and said first support structure including a pair of sub-frame sections which are connected with said first heater-jaw.

26. The system of claim 25 wherein said first and second sub-frame sections of said first support structure are pivotably connected at a lower region to said second support structure.

27. The system of claim 25 further comprising a second heater-jaw and means for moving said second heater-jaw between a film contact with said film cut means position and a retracted position, and said first heater-jaw being stationary relative to said second heater-jaw when said first support structure is in the closed mode.

28. The system of claim 24 wherein said film feed assembly includes a drive roller supported by said second support structure, a motor in driving engagement with said drive roller and a driven roller supported on said first support structure and adjustable between a film feed mode when said first support structure is in the closed mode and an access mode wherein said
5 driven roller is separated from said drive roller upon said first frame structure assuming said access mode.

29. The system of claim 24 further comprising a bag edge sealer supported on said first support structure so as to be adjustable between an edge seal formation position when said first frame structure is in said closed mode and is accessible for servicing when said first frame
10 structure assumes said access mode.

30. The system of claim 24 further comprising an end seal which is supported by said first support structure and includes a heater wire that extends in a common direction with a heater wire of said film cut means.

31. The system of claim 30 wherein said heater wires of said end seal and film cut
15 means include conductive connector pins and said first support structure includes connector pin reception means for releasably receiving said connector pins of said seal and cut means.

32. A method of servicing a foam-in-bag dispenser system comprising:
moving a first frame structure relative to a second frame structure between a closed position to an open access position, with said first frame structure supporting a component of a
20 film feed assembly.

33. The method of claim 32 further comprising unlatching a latch assembly which maintains said first and second frame structures in the closed mode and, following unlatching, moving said first frame structure away from said second frame structure.

34. The method of claim 33 further comprising limiting freedom of movement in said first frame structure by means for limiting movement.

35. The method of claim 33 wherein movement of said first frame structure includes a pivoting of said first frame structure away from said second frame structure.

5 36. The method of claim 33 wherein movement of said first frame structure includes movement of a film edge sealer supported by said first frame structure from an edge seal mode to an access mode wherein said edge sealer is releasable within a space being opened up upon said movement of said first frame structure.

37. The method of claim 32 further comprising inserting film material between a pair
10 of roller sets while said system is in the open access position and driving said film with said roller set while in the closed position.

38. A method of servicing a foam-in-bag dispenser system, comprising:
moving a first heater-jaw between a retracted position and a film bag formation cut
position relative to a second heater-jaw; and moving a first frame structure between a closed
15 position to an open access position, said first frame structure supporting said second heater-jaw
and said second heater-jaw supporting a film cutter which is more readily accessible for
servicing when said first frame structure is in said open access position.

39. The method of claim 38 wherein said film cutter is a heater wire with pin
connectors at opposite ends and said second heater-jaw having pin reception ports which
20 releasably receive said pin connectors.

40. The method of claim 38 wherein movement of said first heater-jaw includes a
drive motor and cam members in driving contact with heater-jaw support shafts extending
between said cam members and said first heater-jaw.

41. A foam-in bag dispensing system, comprising:

a dispenser with chemical output port;

a film feed assembly which feeds film to said dispenser for contact with chemical output from said dispenser, said film feed assembly including a first film feed member and a second

5 film feed member which together draw film from a film source and a film feed assembly support structure comprising first and second frame structures with said first frame structure supporting said first film feed member and being adjustable relative to said second frame structure so as to move said first film feed member away from said second film feed member.